

Notice of Allowability

Application No.

10/040,851

Examiner

Jacques Veillard

Applicant(s)

KESLER, JOHN N.

Art Unit

2165

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant's amendment filed on 3/7/2005.
2. ☒ The allowed claim(s) is/are 1-5,7-12,14-19 and 21.
3. ☒ The drawings filed on 28 December 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

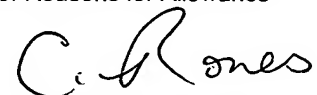
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |


CHARLES RONES
PRIMARY EXAMINER

DETAILED ACTION

1. This action is responsive to the Applicant's amendment filed on 3/7/2005
2. Claims 1, 8, 15 have been amended, and claims 6, 13, 20 have been canceled.
3. Claims 1-5, 7-12, 14-19, and 21 are pending and are presented for examination.

Drawings

4. The drawings filed on December 28, 2001 are approved as to the merits by the examiner.

Allowable Subject Matter

5. Claim 1-5, 7-12, 14-19, and 21 are allowed over the prior art of record.
6. The following is an examiner's statement of reasons for allowance: Applicant's particular disclosure of a computer software for automatically generating a graphical user interface for a relational database in a computer environment comprising a utility software extracting schema to extract information from the relational database and automatically generating corresponding schema and graphical user interface metadata and a user interface software automatically developing from the metadata a user interface appropriate to the relational database wherein the software is permitting the addition of non-automatically-generated functionality to the developed user interface selected from the group consisting of scripts, external components, business rules, and triggers as embodied in the independent claims 1, 8, and 15, in context with the other limitations of the claims and as further described in the Specification on page 3, lines 4-16, page 7, lines 35-40 and page 9, lines 25-39 et alia was not disclosed by, would not have obvious over, nor would have been fairly suggested by the prior of record.

The dependent claims 2-5, 7, 9-12, 14, 16-19, and 21, being further limiting to the independent claims 1, 8, and 15, definite and enabled by the specification are also allowed.

The closest prior arts Nicholson et al. (U. S. Pat. No. 6,631,519) and Heubner et al. (U. S. Pat. No. 6,101,502) wherein Nicholson et al. disclose an automate generation of schema and interface by providing a system software development, which automatically generates schemas interface methods and Heubner et al. disclose an object model for mapping and runtime engine for employing relational database with object oriented software. However, both Nicholson et al. and Heubner et al. taken singularly or in combination fail to teach or suggest a system or method with a user interface software automatically developing from the metadata a user interface appropriate to the relational database wherein the software is permitting the addition of non-automatically-generated functionality to the developed user interface selected from the group consisting of scripts, external components, business rules, and triggers as recited in Applicant's independent claims 1, 8, and 15. The prior art of record fail to anticipate or render Applicant's limitations above obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacques Veillard whose telephone number is (571) 272-4086. The examiner can normally be reached on Mon. to Fri. from 9 Am to 4:30 PM, alt. Fri. off..

Art Unit: 2165

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on (571) 272- 4083. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


CHARLES RONES
PRIMARY EXAMINER



Jacques Veillard
Patent Examiner TC 2100

March 16, 2005